COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named	inventor,	I hereby	declare	that:

This declaration is of the following type:

[X] original[] divisional[] continuation[] continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

Atmospheric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate

SPECIFICATION IDENTIFICATION

The specification of which:

[X]	is attached hereto		
	was filed on	, under Application No	, executed on even
-	date herewith; or		
	[] Express Mail No	(as Application No. not ye	t known)
	and was amended on	(if applicable)	
1	was described and claimed in	n PCT International Application No	filed on
	and as a	mended under PCT Article 19 on	•

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

[] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s)
for patent or inventor's certificate or of any PCT international application(s) designating at least one country
other than the United States of America listed below, and have also identified below any foreign application(s)
for patent or inventor's certificate or any PCT international application(s) designating at least one country other
than the United States of America filed by me on the same subject matter having a filing date before that of
the application(s) of which priority is claimed.
the application(s) of which priority is claimed.

than the	te United States of Application(s) of which	America filed by me on the priority is claimed.	same subject mat	ter having a filing date before that of
	[X] No such a	pplications have been filed	1.	
	[] Such appl	ications have been filed as	follows:	
A.		application(s) filed within sunder 35 U.S.C. §119	12 mos. (6 mos. fo	or design) prior to this application, and
	Country/PCT	Application No	Date Filed	Priority Claimed
				[] Yes [] No [] Yes [] No [] Yes [] No
В.	All foreign application U.S. application Country: Application No: Filing date:	ation(s), if any, filed more	than 12 mos. (6 n	nos for design) prior to this
		PRIORITY CLAI	M (35 U.S.C. §12	20)
PCT in as the in the in to disc is substitute app	nternational applications of each subject matter of each manner provided by lose information that stantial likelihood the plication to issue as	ion(s) designating the Unite th of the claims of this appl the first paragraph of Title t is material to the examinate at a reasonable Examiner w	ed States of Americation is not disces 35, United States ion of this application of the could consider it is between the filing of	of any United States application(s) or ica that is/are listed below and, insofar losed in that/those prior application(s) is Code, §112, I acknowledge the duty ation (namely, information where there important in deciding whether to allow late of the prior application(s) and the
		applications have been filed ications have been filed, a		
	Amuliantian NI-	Filing Data	Patented	StatusAbandoned
	Application No.	Filing Date	Patented	rending Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Joseph Bach Donald Verplancken Lawrence Edelman Raymond Kam-On Kwong Loretta Peters James C. Wilson Robert W. Mulcahy Walter Benjamin Glenn Robert C. Colwell	Registration No. 25,610 Registration No. 37,771 Registration No. 33,217 Registration No. 25,226 Registration No. 37,165 Registration No. 43,855 Registration No. 35,412 Registration No. 25,436 Registration No. 44,713 Registration No. 27,431
•	

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052 Patrick R. Jewik (415) 576-0200

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or fir	st inventor: MICHAE	L BARNES	
Inventor's signature:	MI	Date:	8 (1510)
Residence:	San Ramon, CA 94583		
Post Office Address:	P.O. Box 471182, San Ran	non, CA 94583	
	United States	Country of Citizenship:	United States
Full name of second in	ventor: MICHAEL S. CO	X	
Inventor's signature:		Date:	
Residence:	Davenport, CA 95017		
Post Office Address:	P.O. Box 259, Davenport,	CA 95017	
	United States	Country of Citizenship:	United States

Full name of third inve	entor: CANFENG LAI		
Inventor's signature: Residence: Post Office Address:	Fremont, CA 94539 47615 Hoyt Street, Fremon United States	Date: nt, CA 94539 Country of Citizenship:	China
Full name of fourth inv	ventor: JOHN PARKS		
Inventor's signature: Residence: Post Office Address:	San Jose, CA 95134 19 Torregata Loop, San Jo United States	Date: se, CA 95134 Country of Citizenship:	United States
	(Declaration	ends with this page)	

SF 1255099 v1

to issue as a patent, and

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below nar	ned inventor, I hereby declare that:
This declaratio	n is of the following type:
[X] [] []	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
original first a	post office address and citizenship are as stated below next to my name. I believe I am the nd sole inventor (if only one name is listed below) or an original, first and joint inventor (if e listed below) of the subject matter which is claimed and for which a patent is sought on the led:
	TITLE OF INVENTION
Atmosph	eric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate
	SPECIFICATION IDENTIFICATION
The specificati	on of which:
[X] []	1 4 1' ' NT amounted on extens
	CKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state t the claims, as	hat I have reviewed and understand the contents of the above-identified specification, including amended by any amendment referred to above.
I acknowledge Title 37, Code	the duty to disclose all information I know to be material to patentability in accordance with of Federal Regulations, §1.56,

[] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application

A.

В.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s)
for patent or inventor's certificate or of any PCT international application(s) designating at least one country
other than the United States of America listed below, and have also identified below any foreign application(s)
for patent or inventor's certificate or any PCT international application(s) designating at least one country other
than the United States of America filed by me on the same subject matter having a filing date before that of
the application(s) of which priority is claimed.

	[X] No such applications have been filed.					
	[] Such applications have been filed as follows:					
A.	Prior fo	oreign/PCT a	application(s) filed within under 35 U.S.C. §119	12 mos. (6 mos. for	r design) prior	to this application, and
	Coun	try/PCT	Application No	Date Filed	Pri	ority Claimed
					[]	Yes [] No Yes [] No Yes [] No
В.	All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application					
	Countr Applic Filing	ation No:				
			PRIORITY CLA	AIM (35 U.S.C. §12	0)	
PCT intas the sin the n to discletis substitute app	ternation ubject in nanner p ose info antial li lication	nal application natter of each provided by rmation that kelihood that to issue as a	under Title 35, United Ston(s) designating the Unith of the claims of this appetre first paragraph of Tit is material to the examinat a reasonable Examiner a patent) which occurred nal filing date of this app	ited States of Ameri- plication is not discleted 35, United States ation of this application would consider it in between the filing of	ca that is/are li losed in that/th s Code, §112, l tion (namely, i nportant in dec	sted below and, insofar ose prior application(s) I acknowledge the duty information where there ciding whether to allow
	[X]	No such a Such appl	pplications have been fil ications have been filed,	ed as follows:		
	Applic	cation No.	Filing Date	Patented	Status Pending	Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052 Patrick R. Jewik (415) 576-0200

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or III	rst inventor: MICHAE.	L DARINES	
Inventor's signature:		Date:	
Residence:	San Ramon, CA 94583		
Post Office Address:	P.O. Box 471182, San Ram	ion, CA 94583	
	United States	Country of Citizenship:	United States
Full name of second in Inventor's signature:	nventor: MICHAEL S. CO	X Date:	8/16/91
Residence:	Davenport, CA 95017		
Post Office Address:	P.O. Box 259, Davenport,		
	United States	Country of Citizenship:	United States

Full name of third inve	entor: CANFENG LAI		
Inventor's signature: Residence: Post Office Address:	Fremont, CA 94539 47615 Hoyt Street, Fremon United States	Date:	China
Full name of fourth inv	ventor: JOHN PARKS		
Inventor's signature:		Date:	
Residence: Post Office Address:	San Jose, CA 95134 19 Torregata Loop, San Jos		
	United States	Country of Citizenship:	United States

(Declaration ends with this page)

SF 1255099 v1

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below nam	ned inventor, I hereby declare that:
This declaration	is of the following type:
[X] [] []	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
original first ar	post office address and citizenship are as stated below next to my name. I believe I am the ad sole inventor (if only one name is listed below) or an original, first and joint inventor (if a listed below) of the subject matter which is claimed and for which a patent is sought on the ed:
	TITLE OF INVENTION
Atmosph	eric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate
	SPECIFICATION IDENTIFICATION
The specification	on of which:
[X] []	is attached hereto was filed on, under Application No, executed on even date herewith; or [] Express Mail No (as Application No. not yet known) and was amended on (if applicable) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on
AC	KNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state the claims, as a	at I have reviewed and understand the contents of the above-identified specification, including mended by any amendment referred to above.
	the duty to disclose all information I know to be material to patentability in accordance with of Federal Regulations, §1.56,
and which is m likelihood that a to issue as a pa	aterial to the examination of this application; namely, information where there is a substantial a reasonable Examiner would consider it important in deciding whether to allow the application tent, and
[]	In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

		america filed by me on the same priority is claimed.	ame subject matt	er naving a	ming date	before that of
	[X] No such a	pplications have been filed.				
	[] Such appl	ications have been filed as f	follows:			
A.	Prior foreign/PCT any priority claims	application(s) filed within 12 under 35 U.S.C. §119	2 mos. (6 mos. for	r design) pric	or to this ap	pplication, and
0	Country/PCT	Application No	Date Filed	<u>P</u>	riority Cla	imed
] Yes [] Yes [] Yes [] No] No] No
В.	All foreign application	ation(s), if any, filed more th	nan 12 mos. (6 m	os for design	n) prior to	this
	Country: Application No: Filing date:					
		PRIORITY CLAIN	1 (35 U.S.C. §12	0)		
PCT in as the sin the to discission substitute appropriate terms of the appropriate terms of the appropriate appropriate terms of the appropriate appr	subject matter of each manner provided by lose information that tantial likelihood the blication to issue as	under Title 35, United State ion(s) designating the United the of the claims of this applie the first paragraph of Title it is material to the examinati at a reasonable Examiner wo a patent) which occurred be onal filing date of this applic	I States of Americation is not disclass, United States on of this applicational consider it into tween the filing d	ca that is/are losed in that/s Code, §112 tion (namely mportant in d	listed belo those prior I, I acknow I, information deciding wh	ow and, insofa- application(solvedge the duty on where there thether to allow
	[X] No such a	applications have been filed lications have been filed, as	follows:			
			D-4	_Status		bandoned
	Application No.	Filing Date	Patented	Pending	<u>A</u>	vangoneg

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052 Patrick R. Jewik (415) 576-0200

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or fin	rst inventor: MICHAEL	BARNES	
Inventor's signature: Residence: Post Office Address:	San Ramon, CA 94583 P.O. Box 471182, San Ramo United States	on, CA 94583 Country of Citizenship:	United States
Full name of second in	nventor: MICHAEL S. COX	X	
Inventor's signature:	D + CA 05017	Date:	
Residence: Post Office Address:	Davenport, CA 95017 P.O. Box 259, Davenport, C United States	CA 95017 Country of Citizenship:	United States

Full name of third inventor: CANFENG LAI				
Inventor's signature:		Date:	8/16/01	
Residence:	Fremont, A 94539			
Post Office Address:	47615 Hoyt Street, Fremon	nt, CA 94539		
	United States	Country of Citizenship:	China USA	
Full name of fourth inventor: JOHN PARKS				
Inventor's signature:		Date:		
Residence:	San Jose, CA 95134			
Post Office Address:	19 Torregata Loop, San Jos	se, CA 95134		
	United States	Country of Citizenship:	United States	

(Declaration ends with this page)

SF 1255099 v1

COMBINED DECLARATION AND POWER OF ATTORNEY

As a	below	named	inven	tor, I	hereby	declare	that:

This declaration is of the following type:

[X] original[] divisional[] continuation[] continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

Atmospheric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate

SPECIFICATION IDENTIFICATION

The specification of which:

[X]	is attached hereto		
]	was filed on	, under Application No, exec	uted on ever
-	date herewith; or		
	[] Express Mail No	(as Application No. not yet known	n)
	and was amended on	(if applicable)	
]	was described and claimed i	n PCT International Application No.	filed on
	and as a	mended under PCT Article 19 on	-

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

[] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

for patent or inventor's other than the United S for patent or inventor's than the United States	s certificate or of any PCT in States of America listed below certificate or any PCT intern	aternational application(s v, and have also identified ational application(s) des	119, of any foreign application(s) designating at least one country below any foreign application(s) ignating at least one country other having a filing date before that of
[X] No su	ach applications have been fi	iled.	
[] Such	applications have been filed	as follows:	
-	PCT application(s) filed with laims under 35 U.S.C. §119	in 12 mos. (6 mos. for de	sign) prior to this application, and
Country/PC	Γ Application No	Date Filed	Priority Claimed
			[] Yes [] No [] Yes [] No [] Yes [] No
B. All foreign ap U.S. applicati	oplication(s), if any, filed mo	re than 12 mos. (6 mos f	or design) prior to this
Country: Application N Filing date:	Io:		
	PRIORITY CL	AIM (35 U.S.C. §120)	
PCT international app as the subject matter of in the manner provide to disclose information is substantial likelihood the application to issue national or PCT interna-	lication(s) designating the Ur f each of the claims of this ap d by the first paragraph of T h that is material to the examinal d that a reasonable Examinal	nited States of America the oplication is not disclosed itle 35, United States Conation of this application is would consider it imports between the filing date oplication.	y United States application(s) or nat is/are listed below and, insofar I in that/those prior application(s) de, §112, I acknowledge the duty (namely, information where there tant in deciding whether to allow of the prior application(s) and the
Application N	No. Filing Date		atusAbandoned
* Thbucauou I.	io. Imig Daw	1 awiiwa	Availabiled Availabiled

" I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
Loretta Peters	Registration No. 43,855
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
Robert C. Colwell	Registration No. 27,431
William L. Shaffer	Registration No. 37,234
Patrick R. Jewik	Registration No. 40,456

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061

Patrick R. Jewik

Legal Affairs Dept. Applied Materials, Inc. (415) 576-0200

P.O. Box 450A

Full name of sole or first inventor:

Santa Clara, CA 95052

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

MICHAEL BARNES

Inventor's signature:		Date:	
Residence:	San Ramon, CA 94583		
Post Office Address:	P.O. Box 471182, San Ran	non, CA 94583	
	United States	Country of Citizenship:	United States
Full name of second in	nventor: MICHAEL S. CC	ΟX	
Inventor's signature:		Date:	
Residence:	Davenport, CA 95017		
Post Office Address:	P.O. Box 259, Davenport,	CA 95017	
	United States	Country of Citizenship:	United States

· *			
Inventor's signature:		Date:	
Residence:	Fremont, CA 94539		
Post Office Address:	47615 Hoyt Street, Fremo	nt, CA 94539	
	United States	Country of Citizenship:	China
Full name of fourth in	ventor: JOHN PARKS	/	
Inventor's signature:	Men all	Date:	8/23/01
Residence:	San Jose, CA 95134		
Post Office Address:	19 Torregata Loop, San Jo	ose, CA 95134	
	United States	Country of Citizenship:	United States

CANFENG LAI

(Declaration ends with this page)

SF 1255099 v1

Full name of third inventor: